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## Listing of Claims

- 1. (Currently Amended) An electronic device comprising:
- a first circuit comprising a radiation-emitting circuit element; and
- a second circuit comprising a radiation-sensing circuit element <u>for sensing radiation</u> <u>emitted from the radiation-emitting element</u>, wherein:

the radiation-sensing element is not part of the first circuit; and the radiation-sensing element is part of a calibrating system.

- 2. (Original) The electronic device of claim 1, wherein the first circuit is coupled to a first power supply line and a data line.
- 3. (Original) The electronic device of claim 2, wherein the first circuit is further coupled to a select line and a second power supply line.
- 4. (Original) The electronic device of claim 1, wherein the second circuit is coupled to a reference potential line and a sense amplifier.
- 5. (Original) The electronic device of claim 4, wherein the radiation-sensing circuit element comprises a photodiode.
- 6. (Original) The electronic device of claim 4, wherein the radiation-sensing circuit comprises a phototransistor.
- 7. (Original) The electronic device of claim 1, wherein the radiation-sensing element is not electrically connected to the first circuit.
  - 8. (Currently Amended) An electronic device comprises:
  - a first radiation-emitting element lying within a pixel; and
- a first radiation-sensing element for sensing radiation emitted from the first radiationemitting element, wherein:

the first radiation-sensing element lies outside the pixel; and the radiation-sensing circuit is part of a calibrating system.

9. (Original) The electronic device of claim 8, wherein the first radiation-sensing element lies at a location selected from:

between the first radiation-emitting element and the user side of the electronic device; and

farther from the user side of the electronic device compared to the first radiationemitting element.

- 10. (Original) The electronic device of claim 8, further comprising a waveguide, wherein the waveguide optically couples the first radiation-emitting element to the first radiation-sensing element.
- 11. (Original) The electronic device of claim 10, wherein the waveguide lies at a location selected from:

between the first radiation-emitting element and the user side of the electronic device; and

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farther from the user side of the electronic device compared to the first radiationemitting element.

12. (Original) The electronic device of claim 10, wherein:

the electronic device includes a plurality of radiation-emitting elements, including the first radiation-emitting element, within an array;

the array has an array edge;

the waveguide has a waveguide edge adjacent to the array edge; and

the first radiation-sensing element is connected to the waveguide edge.

13. (Original) The electronic device of claim 10, wherein:

the electronic device includes a plurality of radiation-emitting elements, including the first radiation-emitting element, within an array;

the array has array edges;

the waveguide has waveguide edges adjacent to the array edges; and

a plurality of radiation-sensing elements, including the first radiation-sensing element, is connected to the waveguide edges.

- 14. (Original) The electronic device of claim 8, wherein the first radiation-emitting element is not electrically connected to the first radiation-sensing element.
- 15. (Original) The electronic device of claim 8, wherein the first radiation-emitting element is not electrically coupled to the first radiation-sensing element.
  - 16. (Currently Amended) An electronic device comprises:
  - a first radiation-emitting element;
  - a waveguide; and
  - a first radiation-sensing element, wherein:

the waveguide optically couples the first radiation-emitting element to the first radiation-sensing element; and

the radiation-sensing circuit is part of a calibrating system.

17. (Original) The electronic device of claim 16, wherein the waveguide lies at a location selected from:

between the first radiation-sensing element and the user side of the electronic device; and

farther from the user side of the electronic device compared to the first radiationsensing element.

18. (Original) The electronic device of claim 16, wherein:

the electronic device includes a plurality of radiation-emitting elements, including the first radiation-emitting element, within an array;

the array has an array edge;

the waveguide has a waveguide edge adjacent to the array edge; and the first radiation-sensing element is connected to the waveguide edge. Application No.: 10/646,306 Docket No.: UC0206USNA

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19. (Original) The electronic device of claim 16, wherein:

the electronic device includes a plurality of radiation-emitting elements, including the first radiation-emitting element, within an array;

the array has array edges;

the waveguide has waveguide edges adjacent to the array edges; and

- a plurality of radiation-sensing elements, including the first radiation-sensing element, is connected to the waveguide edges.
- 20. (Original) The electronic device of claim 16, wherein the first radiation-emitting element comprises a transparent anode and a transparent cathode.
  - 21-36 (Canceled).